

Guillaume Martinez

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

2,029
citations

304743

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345221

36
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43
all docs

43
docs citations

43
times ranked

1689
citing authors

#	ARTICLE	IF	CITATIONS
1	Teratozoospermia: spotlight on the main genetic actors in the human. Human Reproduction Update, 2015, 21, 455-485.	10.8	255
2	Mutations in CFAP43 and CFAP44 cause male infertility and flagellum defects in Trypanosoma and human. Nature Communications, 2018, 9, 686.	12.8	173
3	Absence of Dpy19l2, a new inner nuclear membrane protein, causes globozoospermia in mice by preventing the anchoring of the acrosome to the nucleus. Development (Cambridge), 2012, 139, 2955-2965.	2.5	144
4	The genetic architecture of morphological abnormalities of the sperm tail. Human Genetics, 2021, 140, 21-42.	3.8	130
5	Absence of CFAP69 Causes Male Infertility due to Multiple Morphological Abnormalities of the Flagella in Human and Mouse. American Journal of Human Genetics, 2018, 102, 636-648.	6.2	121
6	Bi-allelic Mutations in ARMC2 Lead to Severe Astheno-Teratozoospermia Due to Sperm Flagellum Malformations in Humans and Mice. American Journal of Human Genetics, 2019, 104, 331-340.	6.2	113
7	Homozygous mutation of PLCZ1 leads to defective human oocyte activation and infertility that is not rescued by the WW-binding protein PAWP. Human Molecular Genetics, 2016, 25, 878-891.	2.9	112
8	<sc>SPINK</sc>2 deficiency causes infertility by inducing sperm defects in heterozygotes and azoospermia in homozygotes. EMBO Molecular Medicine, 2017, 9, 1132-1149.	6.9	95
9	Whole-exome sequencing identifies mutations in FSIP2 as a recurrent cause of multiple morphological abnormalities of the sperm flagella. Human Reproduction, 2018, 33, 1973-1984.	0.9	93
10	Patients with multiple morphological abnormalities of the sperm flagella due to <i>DNAH1</i> mutations have a good prognosis following intracytoplasmic sperm injection. Human Reproduction, 2016, 31, 1164-1172.	0.9	85
11	Subcellular localization of phospholipase C η in human sperm and its absence in DPY19L2-deficient sperm are consistent with its role in oocyte activation. Molecular Human Reproduction, 2015, 21, 157-168.	2.8	83
12	A Homozygous Ancestral SVA-Insertion-Mediated Deletion in WDR66 Induces Multiple Morphological Abnormalities of the Sperm Flagellum and Male Infertility. American Journal of Human Genetics, 2018, 103, 400-412.	6.2	81
13	Dpy19l2-deficient globozoospermic sperm display altered genome packaging and DNA damage that compromises the initiation of embryo development. Molecular Human Reproduction, 2015, 21, 169-185.	2.8	61
14	<sc>PATL</sc> 2 is a key actor of oocyte maturation whose invalidation causes infertility in women and mice. EMBO Molecular Medicine, 2018, 10, .	6.9	53
15	CFAP70 mutations lead to male infertility due to severe astheno-teratozoospermia. A case report. Human Reproduction, 2019, 34, 2071-2079.	0.9	43
16	Biallelic variants in <i>MAATS1</i> encoding CFAP91, a calmodulin-associated and spoke-associated complex protein, cause severe astheno-teratozoospermia and male infertility. Journal of Medical Genetics, 2020, 57, 708-716.	3.2	43
17	Impact of Hodgkin or non-Hodgkin lymphoma and their treatments on sperm aneuploidy: a prospective study by the French CECOS network. Fertility and Sterility, 2017, 107, 341-350.e5.	1.0	42
18	Mutations of the aurora kinase C gene causing macrozoospermia are the most frequent genetic cause of male infertility in Algerian men. Asian Journal of Andrology, 2015, 17, 68.	1.6	37

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19	Genetics of teratozoospermia: Back to the head. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2020, 34, 101473.	4.7	32
20	Whole exome sequencing of men with multiple morphological abnormalities of the sperm flagella reveals novel homozygous <i>QRICH2</i> mutations. <i>Clinical Genetics</i> , 2019, 96, 394-401.	2.0	30
21	Progesterone-induced Acrosome Exocytosis Requires Sequential Involvement of Calcium-independent Phospholipase A2 ¹ (iPLA2 ¹) and Group X Secreted Phospholipase A2 (sPLA2). <i>Journal of Biological Chemistry</i> , 2016, 291, 3076-3089.	3.4	25
22	Loss of the deglutamylase CCP5 perturbs multiple steps of spermatogenesis and leads to male infertility. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	25
23	Genetic analyses of a large cohort of infertile patients with globozoospermia, DPY19L2 still the main actor, CGN confirmed as a guest player. <i>Human Genetics</i> , 2021, 140, 43-57.	3.8	24
24	Bi-allelic truncating variants in CFAP206 cause male infertility in human and mouse. <i>Human Genetics</i> , 2021, 140, 1367-1377.	3.8	23
25	Spermaurin, an La1-like peptide from the venom of the scorpion <i>Scorpio maurus palmatus</i> , improves sperm motility and fertilization in different mammalian species. <i>Molecular Human Reproduction</i> , 2016, 23, 116-131.	2.8	18
26	Sexual selection and sperm diversity in primates. <i>Molecular and Cellular Endocrinology</i> , 2020, 518, 110974.	3.2	15
27	FISH and tips: a large scale analysis of automated versus manual scoring for sperm aneuploidy detection. <i>Basic and Clinical Andrology</i> , 2013, 23, 13.	1.9	14
28	Oligogenic heterozygous inheritance of sperm abnormalities in mouse. <i>ELife</i> , 2022, 11, .	6.0	12
29	Is sperm FISH analysis still useful for Robertsonian translocations? Meiotic analysis for 23 patients and review of the literature. <i>Basic and Clinical Andrology</i> , 2018, 28, 5.	1.9	11
30	Actiflagelin, a new sperm activator isolated from <i>Walterinnesia aegyptia</i> venom using phenotypic screening. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2018, 24, 2.	1.4	11
31	Slo3 K+ channel blocker clofilium extends bull and mouse sperm-fertilizing competence. <i>Reproduction</i> , 2018, 156, 463-476.	2.6	7
32	Prokineticin 1 is a new biomarker of human oocyte competence: expression and hormonal regulation throughout late folliculogenesis. <i>Biology of Reproduction</i> , 2019, 101, 832-841.	2.7	6
33	Identification, Characterization and Synthesis of Walterospermin, a Sperm Motility Activator from the Egyptian Black Snake <i>Walterinnesia aegyptia</i> Venom. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7786.	4.1	5
34	Ankrd31 in Sperm and Epididymal Integrity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 741975.	3.7	4
35	Deslorelin acetate implant induces transient sterility and behavior changes in male olive baboon (<i>Papio anubis</i>): A case study. <i>Journal of Medical Primatology</i> , 2020, 49, 344-348.	0.6	2
36	Enzymatic activity of mouse group X-sPLA2 improves in vitro production of preimplantation bovine embryos. <i>Theriogenology</i> , 2019, 131, 113-122.	2.1	1

#	ARTICLE	IF	CITATIONS
37	New insights in Cercopithecinae spermatozoa. <i>Zygote</i> , 2021, 29, 401-409.	1.1	0
38	FISH and Chimps: Insights into Frequency and Distribution of Sperm Aneuploidy in Chimpanzees (Pan) Tj ETQq0 0 0 rgBT /Overlock 10 T 4.F	4.1	0
39	La reproduction des PNHÂ: du laboratoire Ã la conservation. <i>Revue De Primatologie</i> , 2015, , .	0.0	0
40	Collecte de sperme. <i>Revue De Primatologie</i> , 2015, , .	0.0	0